

◆ The District Capital, City of Toyota

Experiments of :

- ❑ Advanced Transportation Information
- ❑ Park and Ride at Events
- ❑ Shared Use of Low Emission Vehicles

Toyota City, Aichi, Japan

Traffic problems of Toyota City

- Permanent traffic jams in the center, or around big factories
- enhancement of short-time trip for commuting
- increase of traffic accident

Menu of the Experiments

To Relief the Traffic within the City

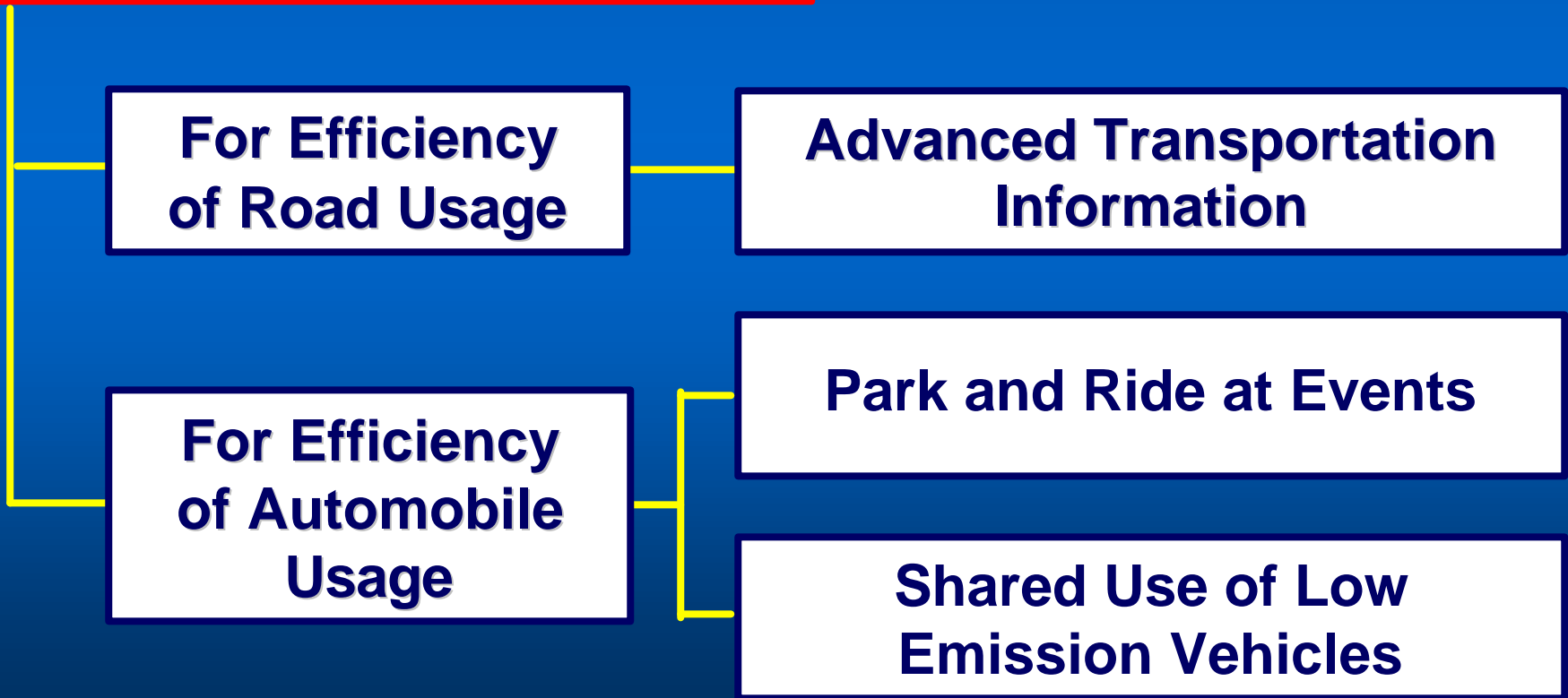
**For Efficiency
of Road Usage**

**Advanced Transportation
Information**

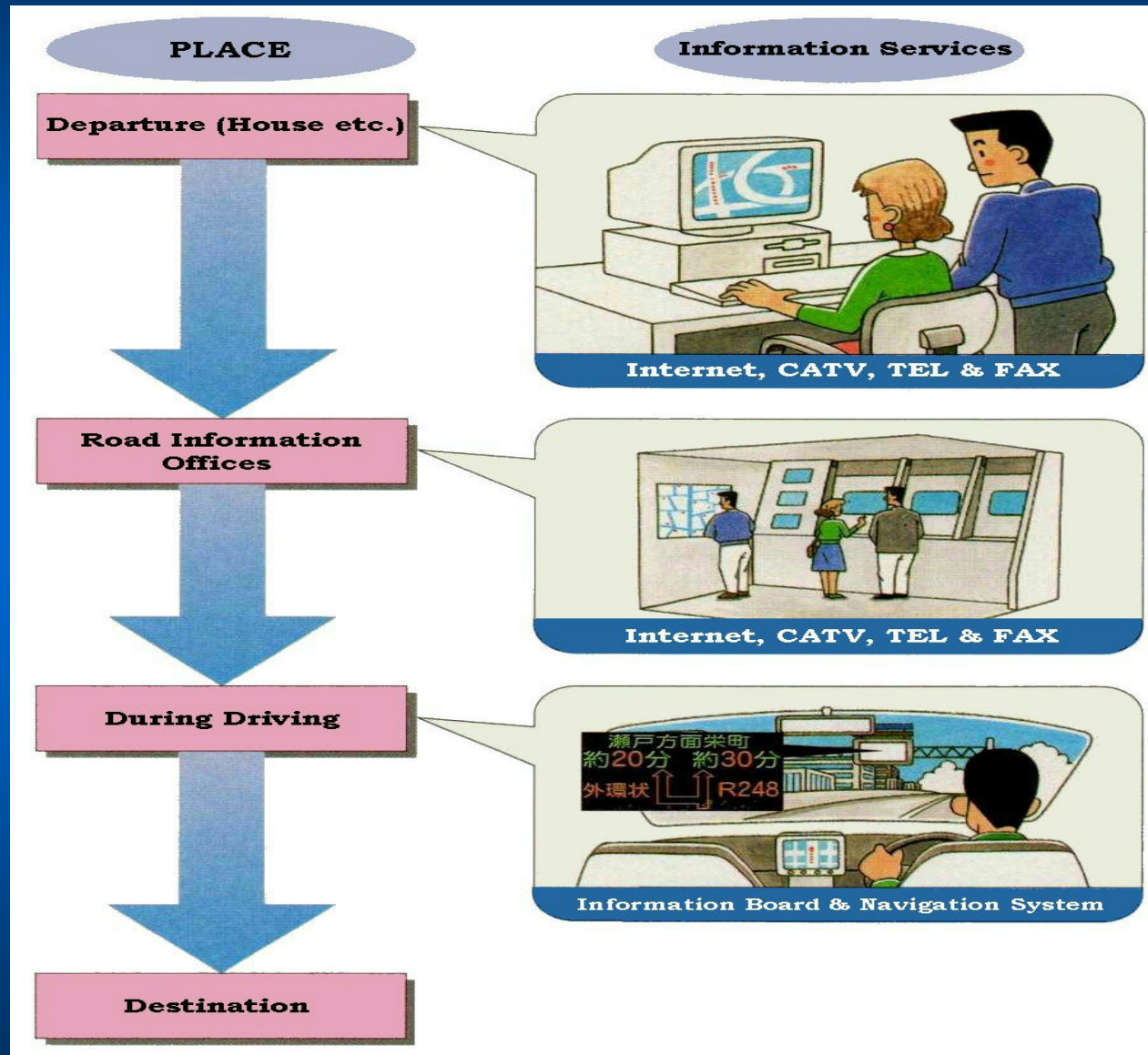
**For Efficiency
of Automobile
Usage**

Park and Ride at Events

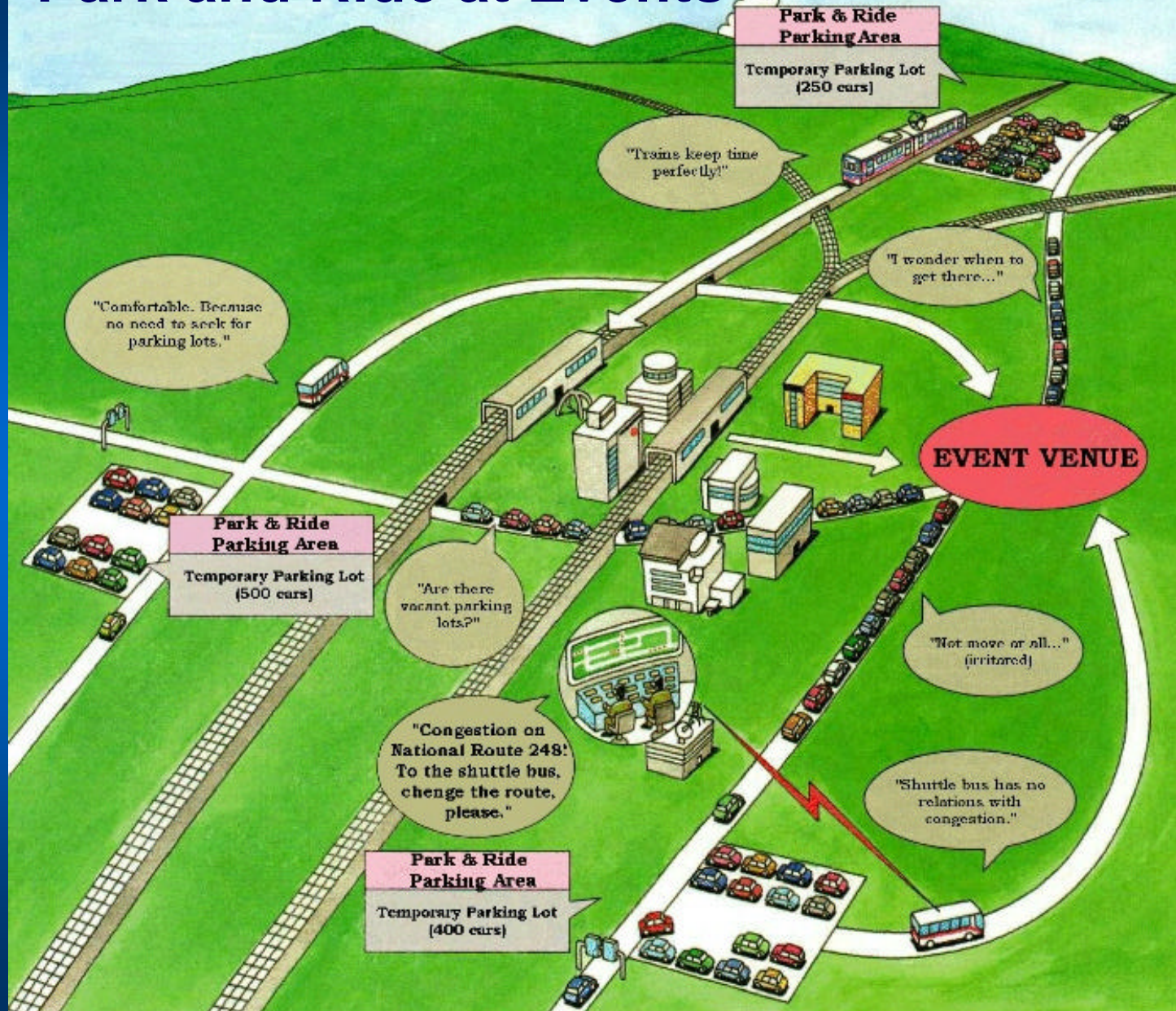
**Shared Use of Low
Emission Vehicles**



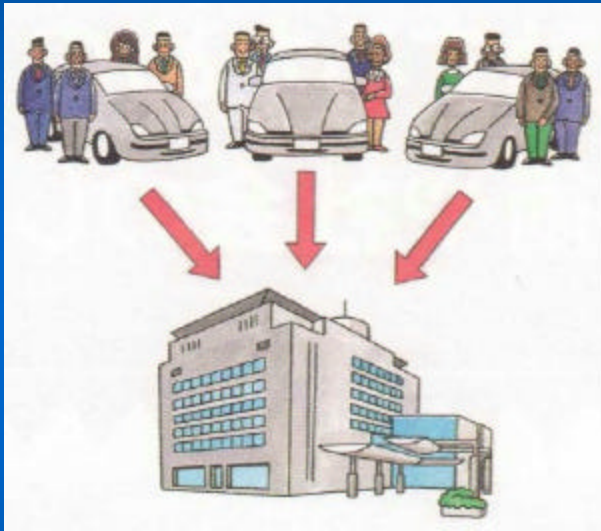
Advanced Transportation Information



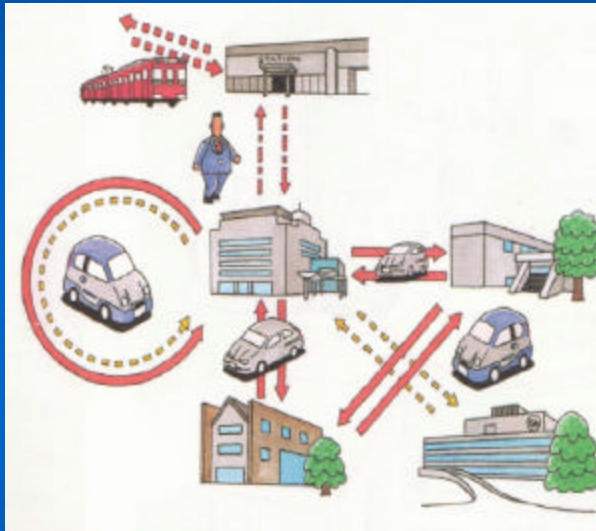
Park and Ride at Events



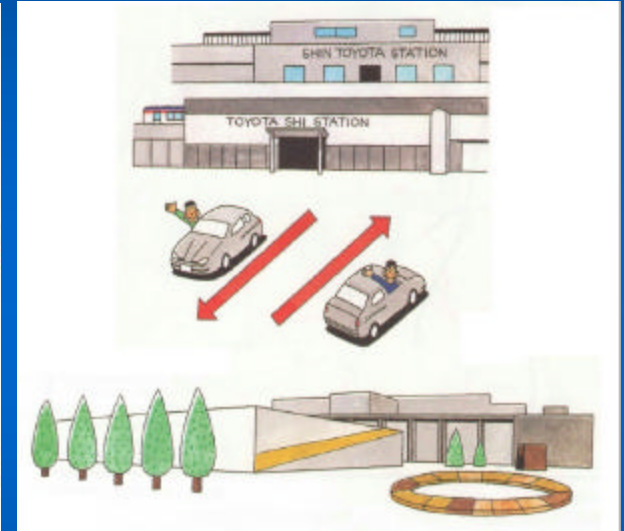
Shared Use of Low Emission Vehicles



Carpool



Shared Ride

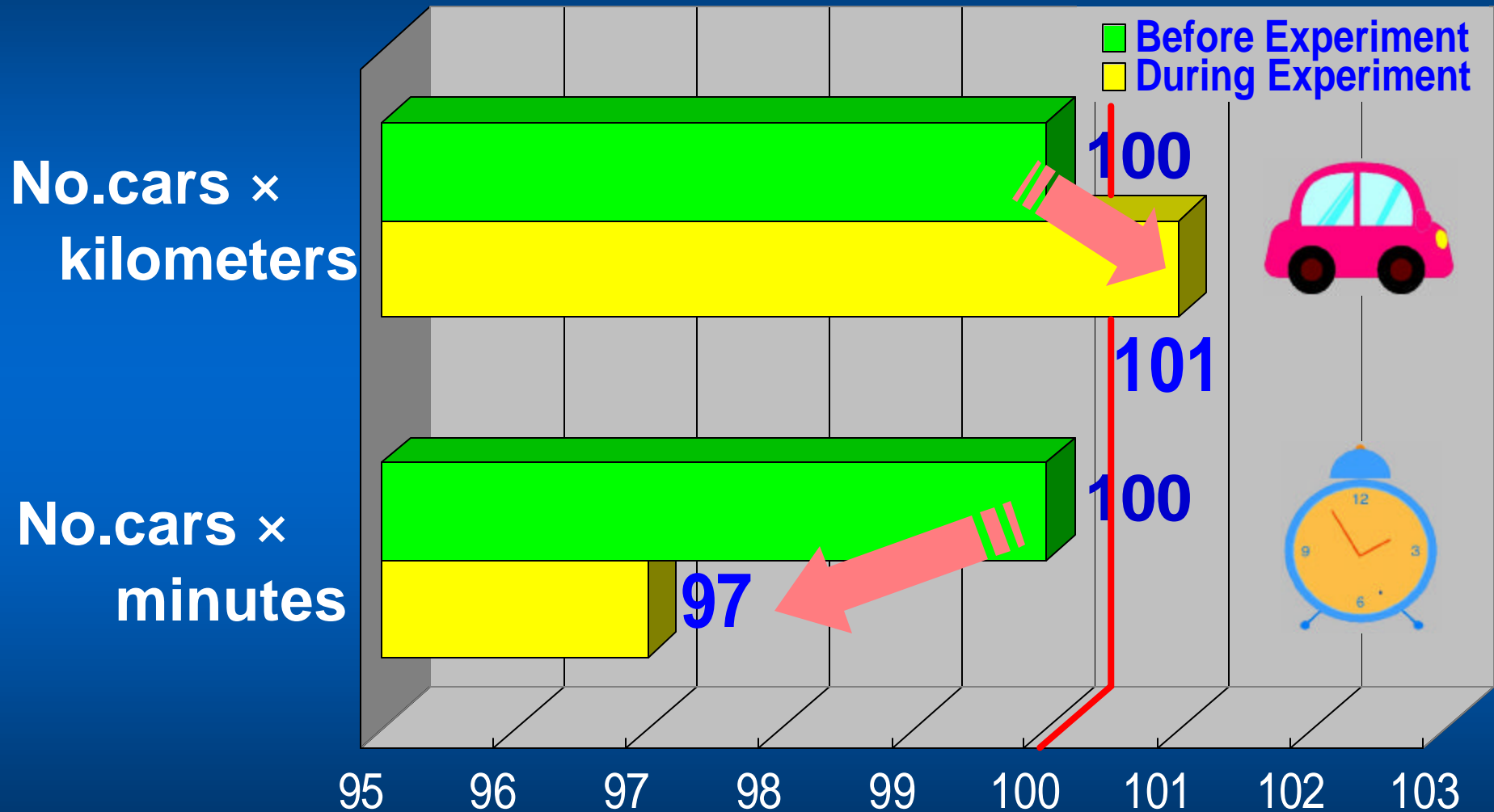


**Short-Distance
Transportation**

Surveys Implemented to Evaluate the

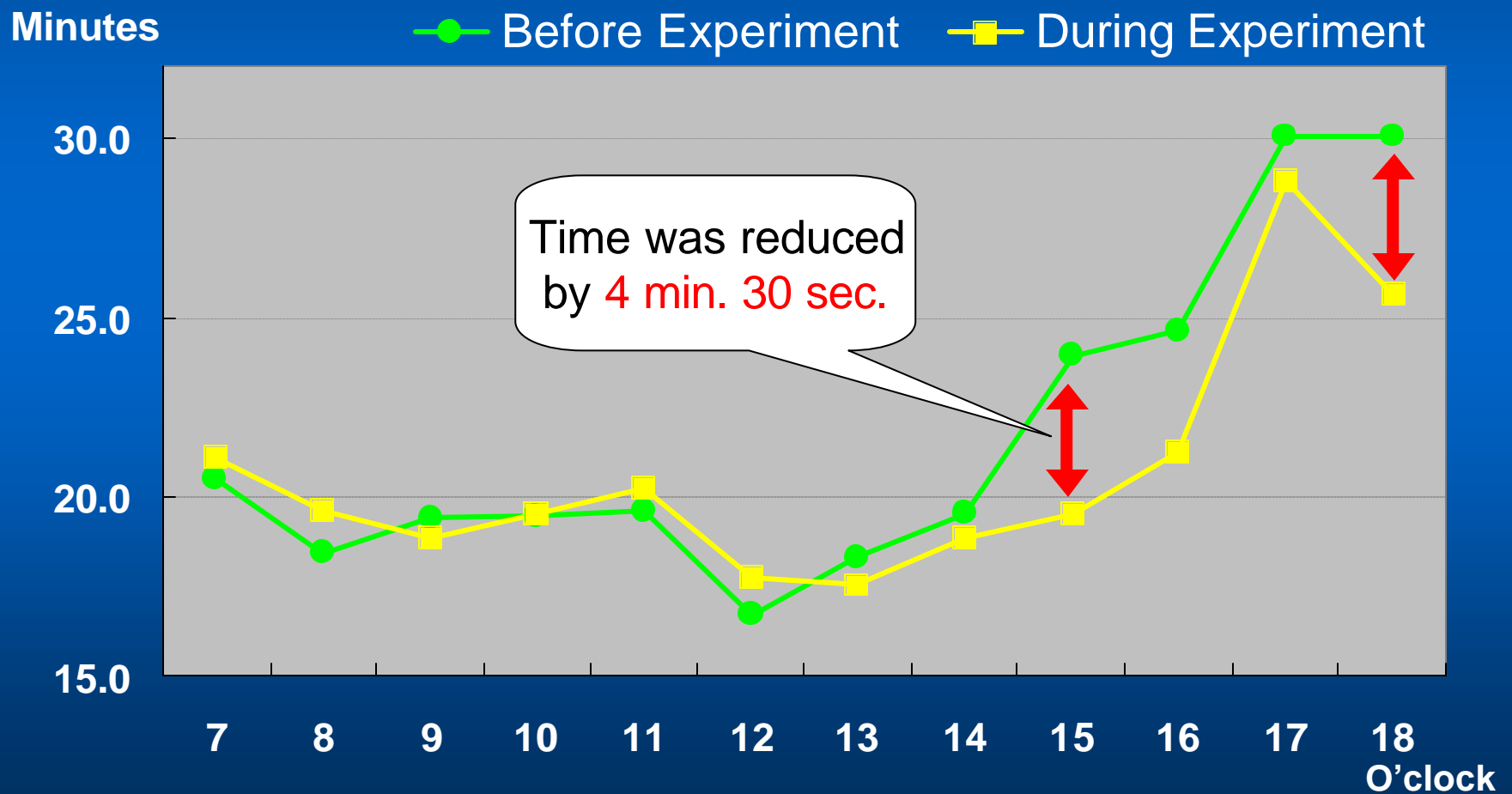
Experiments		Advanced Transportation Information	Park and Ride at Events	Shared Use of Low Emission Vehicles
Surveys				
Before Experiments	Traffic Amount Survey	☐		
	Traffic Congestion Length Survey	☐		
	Driving Time Survey	☐	☐	
During Experiments	Traffic Amount Survey	☐		
	Traffic Congestion Length Survey	☐		
	Driving Time Survey	☐	☐	
	Park and Ride Participation Survey		☐	
	Shuttle Bus Driving Time Survey		☐	
	Survey of Operation Results of Shared Use Vehicles			☐
Questionnaire Surveys	To Drivers		☐	
	To Park and Ride Participants		☐	
	To Targeted Event Participants of Park and Ride			☐
	To Shared Use Participants	☐	☐	☐
	To General Citizens	☐		

Advanced Transportation Information

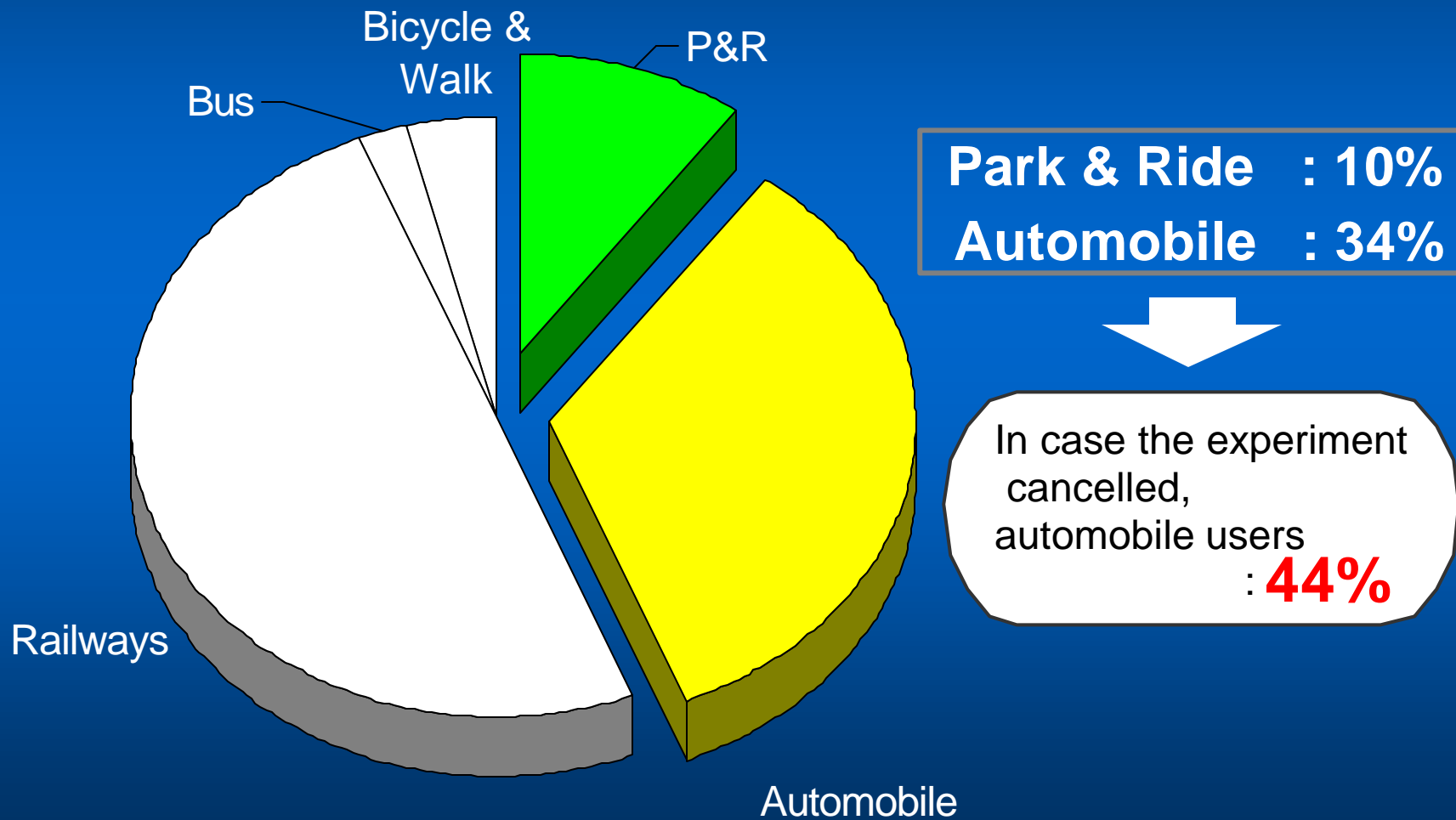


Advanced Transportation Information

Change of Average Driving Time from Toyota-cho to Sakae-machi

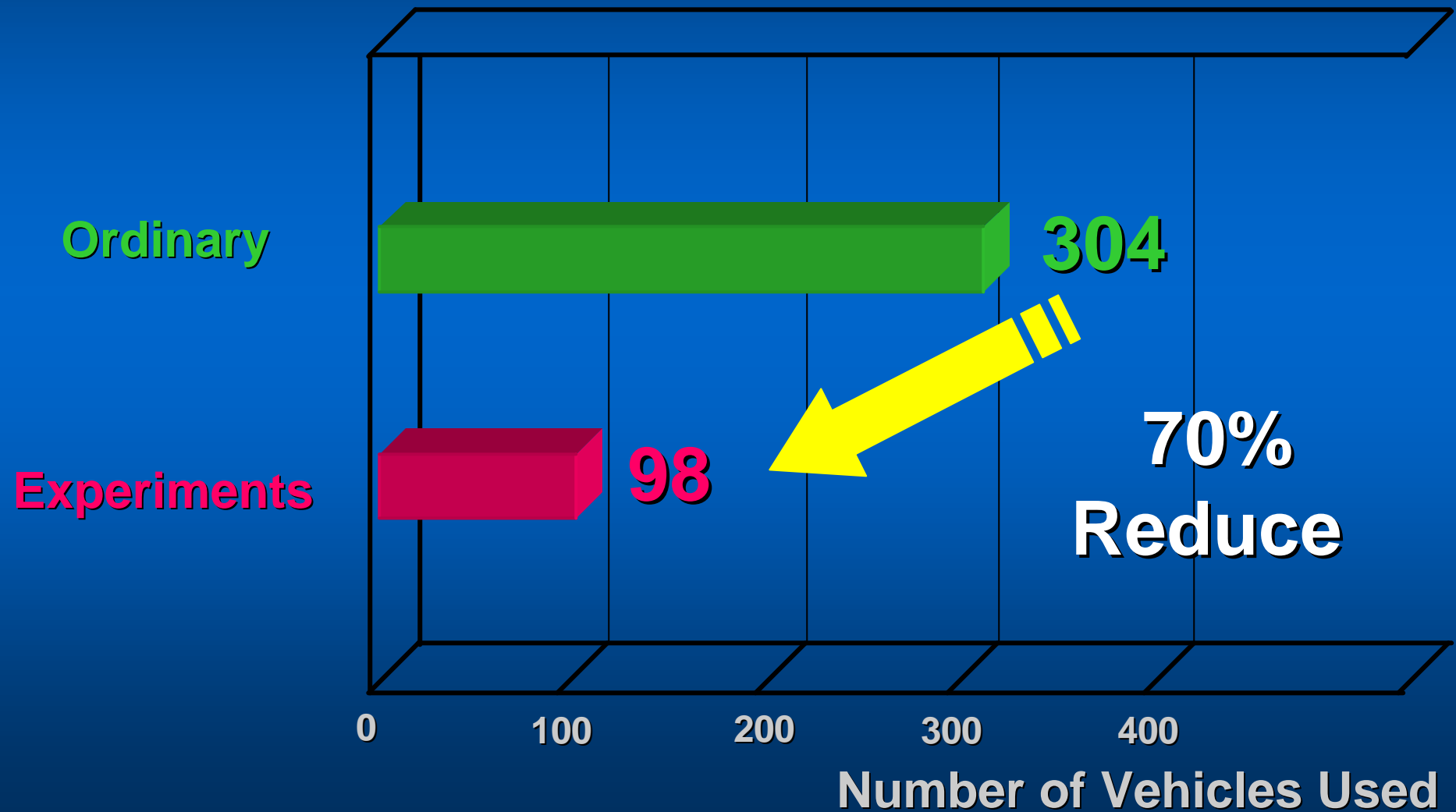


Distribution of Transportation Methods of the Event Participants

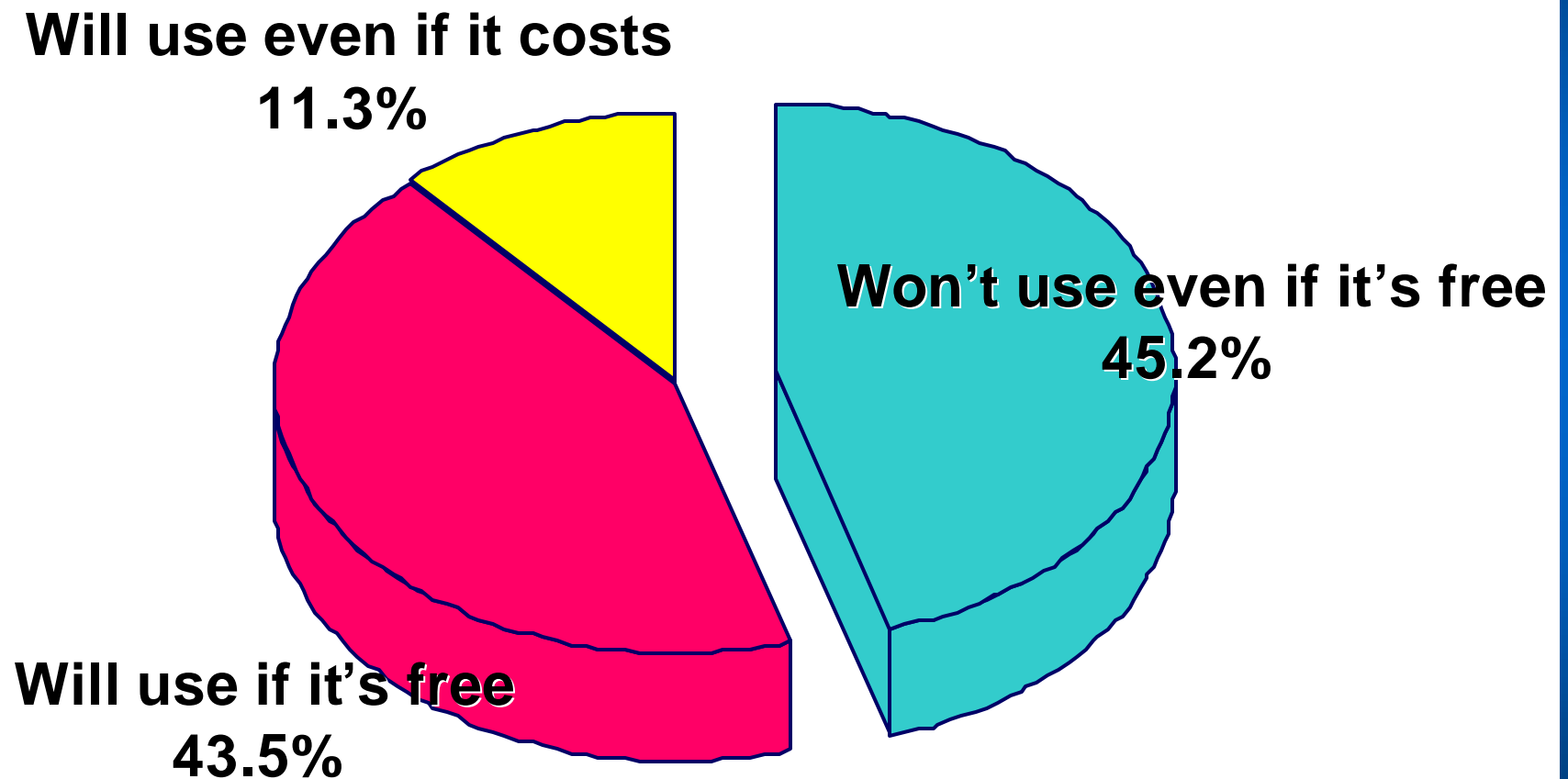


Carpool

Effects Based on the Experiments

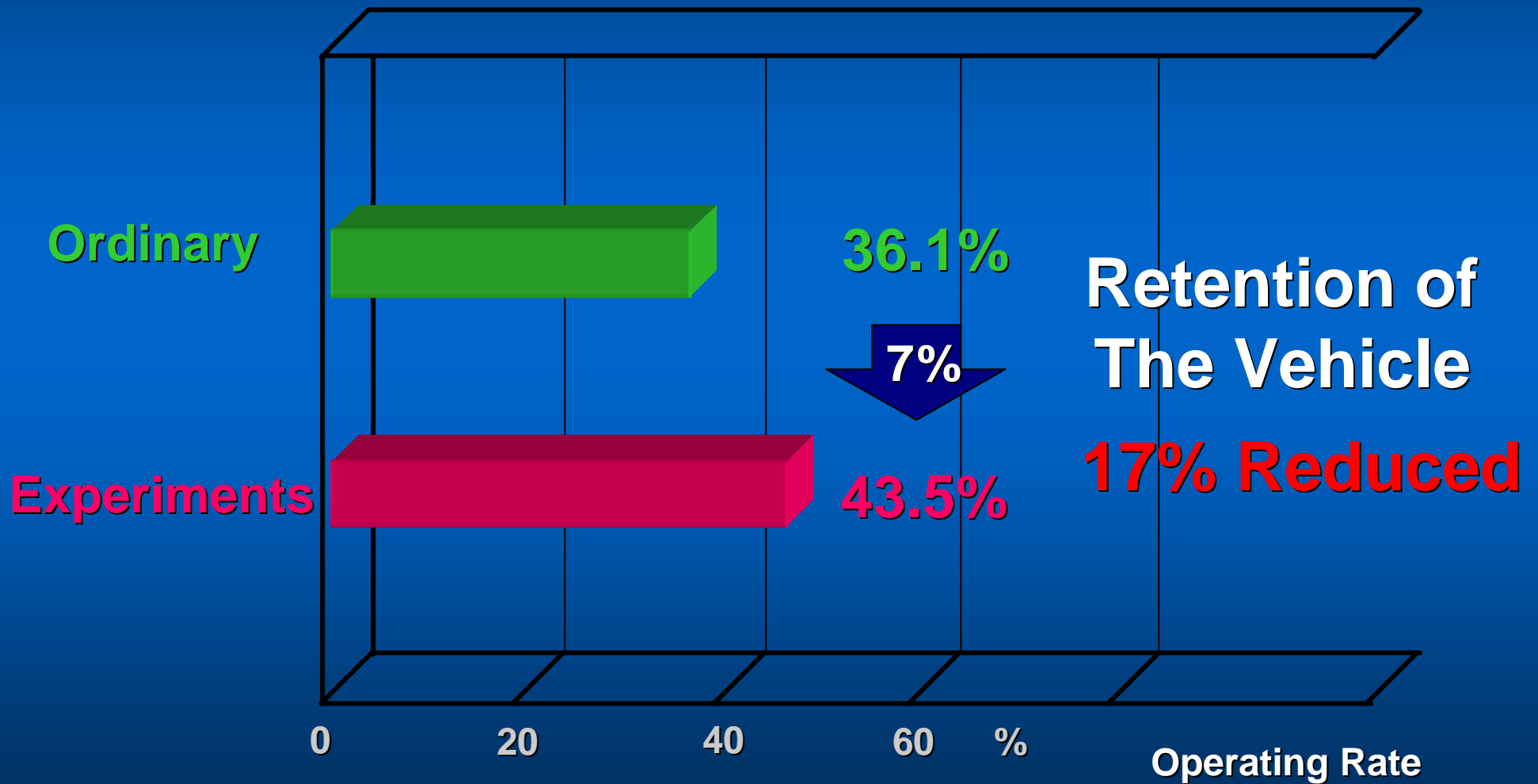


❑ Participant's Intention

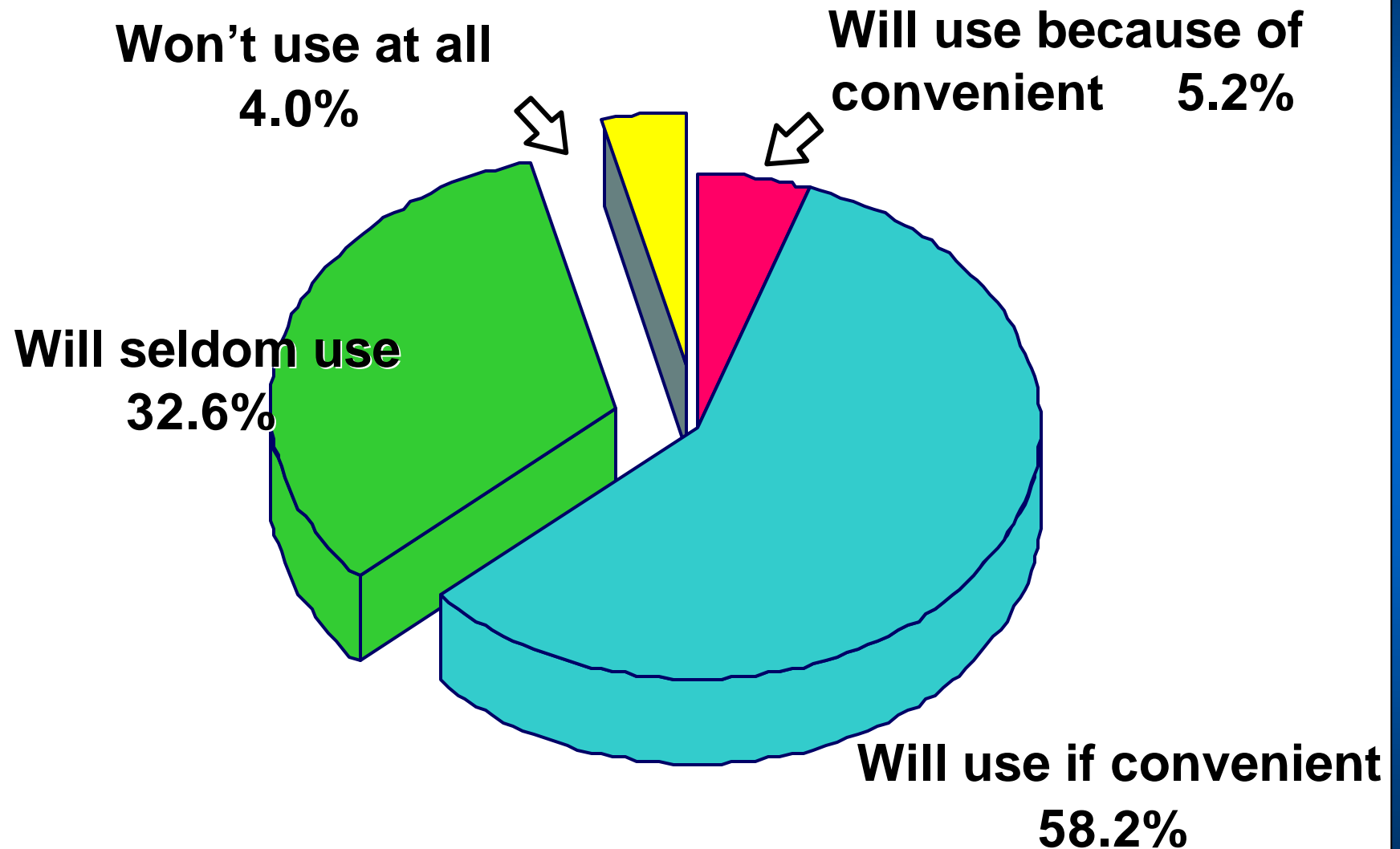


Shared Ride

Effects Based on the Experiments



❑ Participant's Intention



Short-Distance Transportation

❑ Effects Based on the Experiments

- The Effects : Total Driving Vehicles-Kilometers were **342.8km** reduced.
- The method of transportation to the Toyota City Museum was converted to trains.

❑ Participant's Intention

- The Participant's Intention :
59% of participants desired to make the systems fit for practical use within 2 or 3 years.

❑ Desirable Facilities to Introduce of Short-Distance Transportation Systems

Hospitals
Toyota Stadium
Commercial Facilities
Sightseeing Facilities
Accommodation Facilities
City Hall
Welfare Facilities
Library
Parking Lots
Museum
Gymnasium
Assembly Halls
Schools
Banks

